

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000623

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: B23P 19/04, B23Q 16/00, B25B 27/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Refer Electronic Database consulted below.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Derwent World Patent Index: B23P-019, B23Q-016, B25B-027 and keywords : SENS+ AND (SPACIAL OR CONNECT+)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6141867 A (FUKADA et al.) 7 November 2000 See the whole document	1 - 24
X	US 6081993 A (RANKIN) 4 July 2000 See the whole document	1 - 24
X	US 5771578 A (KING, Jr. et al.) 30 June 1998 See the whole document	1 - 24
X	US 5531009 A (GIVLER) 2 July 1996 See the whole document	1 - 24

Further documents are listed in the continuation of Box C

See patent family annex

* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search
13 August 2004

Date of mailing of the international search report
19 AUG 2004

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaaustralia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

C. NGUYEN-KIM
Telephone No : (02) 6283 2121

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000623

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5331831 A (SCHNEIDER) 26 July 1994 See the whole document	1 - 24
X	US 4731923 A (YAGI et al.) 22 March 1988 See the whole document	1 - 24
X	US 4675993 A (HARADA) 30 June 1987 See the whole document	1 - 24
X	US 4654964 A (SCHNEIDER et al.) 7 April 1987 See the whole document	1 - 24
X	US 4603329 A (BANGERTER et al.) 29 July 1986 See the whole document	1 - 24
X	US 4575931 A (JONCA) 18 March 1986 See the whole document	1 - 24
X	US 4453303 A (LEDDET) 12 June 1984 See the whole document	1 - 24
X	EP 1088626 A (SCHULTE-BUNERT GMBH) 4 April 2001 See the whole document	1 - 24
X	DE 19510856 A (PRIELOG LOGISTIK GMBH PRIEROS) 19 September 1996 See the whole document	1 - 24
X	Derwent Abstract no. 1999-554364/47, Class P56;V04, JP 11239925 A (MATSUSHITA DENKI SANGYO KK) 7 September 1999 See the English language version in US 6735856 B	1 - 24
X	Derwent Abstract no. 99-251075/21, Class P56, JP 11074693 A (TDK CORP) 16 March 1999 See the abstract	1 - 24

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/000623

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member			
US	6141867	EP	0926782	JP	11191329	
US	6081993	JP	2000263349	US	6279223	
US	5771578	CA	2214883	EP	0831556	JP 10099927
US	5531009	US	5203855	US	5210935	US 5213454
		US	5216819	US	5231747	US 5231754
		US	5259104	US	5263236	US 5361484
		US	5379508	US	5404633	US 5407003
		US	5566747	US	5577315	US 5621963
		US	5685058	US	5752306	US 5774968
US	5331831	AU	65204/94	CA	2156261	EP 0689494
		WO	9421421			
US	4731923	CN	87101876	DE	3708119	FR 2603766
		GB	2189719	JP	62214692	JP 62229900
		JP	63161635	JP	63161700	
US	4675993	CA	1240403	DE	3546216	FR 2575357
		GB	2169422	JP	61152100	
US	4654964	EP	0187327	JP	61163694	
US	4603329	DE	3413474	JP	60082990	
US	4575931	EP	0123574	FR	2542934	JP 60000083
US	4453303	EP	0072277	ES	8305616	FR 2510933
		JP	58036779			
EP	1088626	DE	19946401			
DE	19510856	DE	19604028			
JP	11239925	US	6735856			
JP	11074693					

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX